

s/n: 09/784,483
date: 5-24-04

((359/641,820,288,619) or (385/14-18,27,33,39,119,24,33)).CCLS.	
27469 or ("372").CLAS.	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:16
56412 fiber\$1 and (lens\$2 or collimat\$6)	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:16
6826 1 and 2	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:16
32332 fiber\$1 same (lens\$2 or collimat\$6)	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:27
5336 1 and 4	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:16
lens same array same collimat\$ same fiber same ((optical or focal)	
138 adj (length or distance))	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:17
75 1 and 6	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:17
29 (fiber adj array) and (optical adj length) and distance and equal	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:20
12947 (fiber) and (optical with length) and distance and equal	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:20
2848 1 and 9	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:20
1300 4 and 10	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:20
30 6 and 11	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:20
2055 fiber\$1 same (lens\$2 or collimat\$6) same (focal adj length)	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:27
629 1 and 13	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:27
1 8 and 14	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:28
1 8 and 6	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:28
3 8 and 13	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:29
10 4650279.URPN.	USPAT 5/24/04 11:29
27 Taniguchi-Satoshi\$9.in.	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:26
2 2 and 21	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:28
654 (beam adj waist) same distan\$5	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:29
249 4 and 33	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:29
108 1 and 34	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:29
12 35 and value and calculate	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:34
5594 align\$8 same fiber\$2 same lens\$2	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:35
874 align\$8 same (fiber\$2 with array) same (lens\$2 or collimat\$5)	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:37
349 1 and 38	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:36
255 41 and distan\$5	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:36
align\$8 same (fiber\$2 with array) same (lens\$2 or collimat\$5) same	
96 distan\$5	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:37
54 43 and (thermal or heat)	USPAT; US-PGPUB; IBM_TDB 5/24/04 14:37
laser and (fiber adj array) and (optical adj length) and distance and	
25 equal	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:19
lens same array same collimat\$ same fiber same ((optical or focal)	
138 adj (length or distance))	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:16
9159 ((359/641,820,288,619) or (385/14-18,27,33,39,119)).CCLS.	USPAT; US-PGPUB; IBM_TDB 5/24/04 11:15
("4074933" "4509827" "4545643" "4637683" "4746195"	
"4835078" "5009482" "5281301" "5346583" "6328482"	
10 "2001/0021287").PN.	USPAT 5/21/04 17:13
166 laser same fiber same lens same (focal adj length) same distan\$5	USPAT; US-PGPUB; IBM_TDB 5/21/04 16:40
(value same length same fiber same lens) and (laser same fiber	
21 same lens same (focal adj length) same distan\$5)	USPAT; US-PGPUB; IBM_TDB 5/21/04 16:40
10 4030122.URPN.	USPAT 5/21/04 16:40
(value same length same fiber same lens) and (laser and (fiber adj	
16 array) and (focal adj length) and distance)	USPAT; US-PGPUB; IBM_TDB 5/21/04 16:39
257 laser and (fiber adj array) and (focal adj length) and distance	USPAT; US-PGPUB; IBM_TDB 5/21/04 16:38
34 laser and (fiber adj array) and (optical adj length) and distance	USPAT; US-PGPUB; IBM_TDB 5/21/04 16:37
(value same length same fiber same lens) and (laser and (fiber adj	
1 array) and (optical adj length) and distance)	USPAT; US-PGPUB; IBM_TDB 5/21/04 16:37
laser and (fiber adj array) and (optical adj length) and (thermal with	
5 variation)	USPAT; US-PGPUB; IBM_TDB 5/21/04 16:36
1 (mean adj value) same distance same length same fiber same lens	USPAT; US-PGPU ; I M_TD 5/21/04 16:36

1 (mean adj value) same length same fiber same lens	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:36
356 value same length same fiber same lens	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:36
5 5371814.URPN.	USPAT	5/21/04 16:28
1 5828146.URPN.	USPAT	5/21/04 16:28
("3829195" "4109998" "4258976" "4872737" "4943137"		
8 "5157745" "5271076" "5371814").PN.	USPAT	5/21/04 16:27
0 5568578.URPN.	USPAT	5/21/04 16:26
1313969 laser and (fiber adj array) and (optical adj length) and distance equal	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:24
laser same (fiber adj array) same (optical adj length) same distance		
1 same equal	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:24
1313960 lasr and (fiber adj array) and (optical adj length) and distance equal	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:23
43 Hamanaka-Kenjiro\$9.in.	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:22
(((359/641,820,288,619) or (385/14-18,27,33,39,119)).CCLS.) and		
(lens same array same collimat\$ same fiber same ((optical or focal)		
19 adj (length or distance)))) and microlens	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:13
(lens same array same collimat\$ same fiber same ((optical or focal)		
1 adj (length or distance))) and Hamanaka-Kenjiro\$9.in.	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:13
(((359/641,820,288,619) or (385/14-18,27,33,39,119)).CCLS.) and		
(lens same array same collimat\$ same fiber same ((optical or focal)		
47 adj (length or distance)))	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:11
(("5202567") or ("5337186") or ("5362961") or ("5500523") or		
5 ("5990992")).PN.	USPAT; US-PGPUB; IBM_TDB	5/21/04 16:08